

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN THE APPLICATION OF:

TOSHIKAZU KOBAYASHI  
CONTINUATION OF  
APPLICATION NO.: 09/582483

CASE NO.: AD6547USPCT – CONT.

GROUP ART UNIT: 1711

FILED: JUNE 21, 2000

EXAMINER: CALLIE E. SHOSHO

FOR: ANTI-STATIC POLYMER COMPOSITION AND MOLDED ARTICLE MADE  
FROM THE ANTI-STATIC POLYMER COMPOSITION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION UNDER RULE 132**

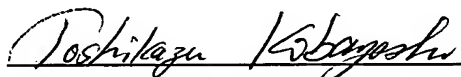
1. I am Toshikazu Kobayashi, the inventor of the present application.
2. I am presently employed as a Senior Chemist by E. I. DuPont de Nemours & Co., Inc. (DuPont), the assignee of the present application.
3. I received Bachelor of Science and Master of Science degrees in Material Science of Polymers from the University of Tokyo.
4. I am familiar with both the present application and U.S. Patent 5,700,857 (Mukohyama).
5. I made the same composition as Example 1 of Mukohyama by mixing the following ingredients in a 30 mm Werner & Pfleiderer twin screw extruder using barrel temperatures of 280°C. The glass fiber was side fed to the extruder and the plasticizer was added at the downstream end of the extruder. The ingredients and their weight percentages were:
  - PET - 24
  - PET/PEO Copolymer - 21
  - Flame Resistant Agent - 13.8 (the percentages in Mukohyama add up to 100.2%)
  - Plasticizer - 4
  - Nucleating Agent - 4
  - Antioxidant - 0.3
  - Epon® 1009F - 0.6
  - PED (lubricant) - 0.8

Antimony compound - 1.5

Glass fiber - 30

6. A 3-inch x 5-inch x 1/8-inch thick plaque of the composition of Number 5 was made by injection molding, and the surface resistivity was measured using ASTM Method D257. The individual measurements were  $3.8 \times 10^{13}$ ,  $4.5 \times 10^{13}$ , and  $4.6 \times 10^{13}$  ohm/square, whose average is  $4.3 \times 10^{13}$  ohm/square.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.



Toshikazu Kobayashi

Date 11/21/03

**DECLARATION and POWER OF ATTORNEY**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ANTISTATIC POLYMER COMPOSITION AND MOLDINGS THEREOF**

the specification of which is attached hereto unless the following box is checked:

☒ was filed on **23 DECEMBER 1998** as U.S. Application No. \_\_\_\_\_ or PCT International Application No. **PCT/US98/27428** and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Application No.	Country	Filing Date	Priority Claimed (Yes/No)
9-366003	JAPAN	24 DECEMBER 1997	Yes

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States Provisional Application(s) listed below.

U.S. Provisional Application No.

U.S. Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International Application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application No.	Filing Date	Status (patented, pending or abandoned)
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**POWER OF ATTORNEY:** I hereby appoint the following attorney(s) and/or agent(s) the power to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:Name: **PHAM, HANH P.**Registration No.: **40,771**

Send correspondence and direct telephone calls to:

**PHAM, HANH P.****E. I. du Pont de Nemours and Company  
Legal - Patents  
Wilmington, DE 19898, U.S.A.**Tel. No.  
**(302) 992-4929**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**INVENTOR(S)**

Full Name of Inventor	Last Name <b>KOBAYASHI</b>	First Name <b>TOSHIKAZU</b>	Middle Name
	Signature (please sign full name) <i>Toshikazu Kobayashi</i>		Date: <i>Feb. 17 '99</i>
Residence & Citizenship	City <b>KAWACHI-GUN TOCHIGI</b>	State or Foreign Country <b>JAPAN</b>	Country of Citizenship <b>JAPAN</b>
Post Office Address	Post Office Address <b>3759-7 KAWACHI-MACHI</b>	City <b>KAWACHI-GUN TOCHIGI</b>	State or Country <b>JAPAN</b>
			Zip Code <b>329-1104</b>

☐ Additional Inventors are being named on separately numbered sheets attached hereto.

# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

<p>1. Submission Type:</p> <p><input checked="" type="checkbox"/> New</p> <p><input type="checkbox"/> Resubmission (Non-Recordation) Document ID# _____</p> <p><input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____</p> <p><input type="checkbox"/> Corrective Document Reel # _____ Frame # _____</p> <p>Data Element in Question : _____</p>	<p>2. Conveyance Type:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement</p> <p><input type="checkbox"/> License <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Merger <input type="checkbox"/> Other _____</p> <p>US. GOVERNMENT (For Use ONLY by U.S. Government Agencies)</p> <p><input type="checkbox"/> Departmental File <input type="checkbox"/> Secret File</p> <p>Total No. of pages of conveyance document including attachments _____</p>
<p>4. Name of conveying party(ies):</p> <p><b>'KOBAYASHI, Toshikazu</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Execution Date: <b>'17 February 1999</b></p>	<p>5. Name and address of receiving party(ies):</p> <p><b>E. I. DU PONT DE NEMOURS AND COMPANY LEGAL PATENTS 1007 MARKET STREET WILMINGTON, DELAWARE 19898</b></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No.(s): <b>PCT/US98/27428</b> B. Patent No.(s): _____</p> <p>Docket No.: <b>AD6547A</b></p> <p>Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>6. Correspondent Name &amp; Address:</p> <p><b>HANH T. PHAM E. I. DU PONT DE NEMOURS AND COMPANY LEGAL-PATENTS 1007 MARKET STREET WILMINGTON, DELAWARE 19898</b></p>	<p>7. Total number of applications and patents involved: <u>  1  </u></p> <p>8. Total fee (37 CFR 3.41) ..... <b>\$40.00</b></p> <p><input type="checkbox"/> Enclosed (Check No.: _____)</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>9. Deposit account number: <u>  04-1928  </u> (Attach duplicate copy of this page if paying by deposit account)</p>
<p style="text-align: center;"><b>DO NOT USE THIS SPACE</b></p>	
<p>10. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p><b>LINDA REYNAUD</b> <i>Linda Reynaud</i> <b>22 July 1999</b> SENIOR LEGAL CLERK Signature Date</p> <p style="text-align: right;">Total number of pages comprising cover sheet: <u>  1  </u></p>	

# ASSIGNMENT

I, the undersigned

**Toshikazu KOBAYASHI**

Hereby declare that

I am the true and first inventor of an invention relating to

## **ANTISTATIC POLYMER COMPOSITION AND MOLDINGS THEREOF**

which is disclosed in PCT International Application, **PCT/US98/27428** filed the **23RD** day of **DECEMBER, 1998** (Case No. **AD6547A**); in which the United States of America is a designated state for Letters Patent; and, for valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of my pre-existing obligation of assignment, I hereby sell, assign, and transfer unto E. I. du Pont de Nemours and Company, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, the entire right, title, and interest in and to the aforesaid application for Letters Patent, including any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property for any and all member countries of the aforesaid International Convention, and the entire right, title and interest in and to any and all my inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, and in and to any and all applications for Letters Patent for any such inventions in any country whatsoever, and in and to any and all patents for any such inventions in any country whatsoever, with the sole right to file such applications in its name or mine, including the sole right to file such applications under the aforesaid International Convention, together with the sole right to have said patents granted in its name or mine and to enforce said patents and to sue for and recover profits and damages for any and all infringements thereof, and hereby agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting said inventions, to testify in any legal proceeding, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

Toshikazu Kobayashi (L.S.)  
**Toshikazu KOBAYASHI**

DATE: Feb. 17 '99